84

G. R. S. App. F. IX-4]

Previous References.

1940 - 1

(War)

War **File No.** 257-40

Serial Nos. 1 to 22

Later References.

GENERAL AND REVENUE SECRETARIAT

Serial Nos. Twenty Two only.

Part B for September 1942.

SUBJECT.

Order under Rule 51(c) of the Defence of India Rules to be Served on the Hindustan Aircraft Factory.

16.9.42

Draft order under Rule 51(C) of the Defence of India Rules to be served on the Hindustan Aircraft Factory.

General and Revenue Secretariat | File No. | of 194 | [App. F. III-2

Serial No.	
1	From The I.G. of Police. D.O. C.C/4-(41-42) dt 26th March 42. forwarding draft order ch to be served on the Hindustan Aircraft Ltd.
X & Y	Kind reference is invited to this office letter on the Resy ref. cited regarding the Hindustan Aircraft Ltd. As desired in the Resy letter a notification was issued by this Govt
Z	giving the necessary power under Rule 51(C) to the Govt of India also.
Z	The IGP has now suggested the issue of order under Rule 51(C) by this Govt. The notification referred to in the draft order is perhaps the one issued by this Govt. Perhaps the draft order may be sanctioned by the Law Secretary. For perusal and orders whether the order with the deletions may be issued.
RS 28/3	Issued vide Notn. No. 11857. dated 2.4.41 - 30 A. 16. Govt have decided that the powers exercisable under Rule 51C. shall be exercisable by the Govt of India also so far as the Factory is concerned. The Govt of India could therefore have issued the notification themselves.

NOTE.—Cont. Sheet.

W.T.C.4155—G.P.B.—55,000—23-10-41

File No. 1492/W

of 194 .

General and Revenue Secretariat

Serial No.

MAR 30 1942

No. 9953.

The D.C.S.'s attention may perhaps be drawn to this case may the matter be stopped if the notice may not be issued by the Govt of India so that some administration may be made of the whole scheme

29/3

Chief Secy

Shall have discussed this with the A.R.P. officer who said that as the matter was urgent it was desirable to issue the notice from here. He added the Govt might reconsider it now if the Notice is all right

29/3

Secy

Under the rules accpt the offer first because a sleeping partner during the war. I do not know whether this notification can be issued by Govt under the said accpt and made known to the Govt

29/3

Law Secy

Please return to Dept and send him a copy of Notfn dt 16-9-1941 (Hdgr)

23

1422/W.

General and Revenue Secretariat | W File No. 254 of 1940-1 | [App. F. III-2

Serial No.

APR 2 1942
No. ...(illegible)...

& Res[t] letter dt 28-8-41 and of our letter dt 5-11-41 to the Sec[t] to the Resident, & extract of paragraph 1 of Res[t] letter dt 7-1-42 and say there may be news to the Peace & he may be requested to cause enquiries to be issued by Govt of India direct.

A copy of the letter may be sent to the Sec[t] to the Resident also ~~for~~ with copy of the Daily-order

30/3

31/3

Subd. with two drafts with refce. orders sanctn, for Consideration.

RB 31/3

2. Issued No 2251/W dt 31-3-42 to the D. G. P.
3. " Pol. 1867 dt 1-4-42 to the Resty. (Not issued)

Subsequently ordered the issue of the Letter. Please see Govt/6

4 Issued No.2272/W dated the 1st April 1942 to the Dist. Magistrate, Bangalore, requesting him to serve the order on the General Manager, Hindustan Aircraft Factory, and to return the duplicate with due endorsement.

The Notice has been sent to the Dist. Magistrate for having served on Mr. Fe. Carty.

Submitted for perusal

Law Minister 2/4/42

Have all papers been sent?

The Hon'ble Law Minister

Law Sec[t] to G. C.

NOTE—Cont. Sheet.

WD C155—GPE—C.S.O.—10-11-41—1,000.

The Govt have been informed. Will if any more Letters to be sent

1470/W Hindustan Aircraft - Order under Rule 51(c)

File No. of 194 . | General and Revenue Secretariat

Serial No.

OFFICE OF THE MINISTER FOR LAW
APR 4 1942
No 10158

Vide Notification (1)to(3) Law Dept Secy
The order was issued on 2/4/42

Law 4.4
Land Revenue
Defence
Fin
Home
W&L

Subd with a letter to the LSP.

(QS 4/4)

Issued 2301 & 4th April 42 to a LSP

1594/W Hindusta Aircraft - Ords under Rule 51(c)

General and Revenue Secretariat | File No. | of 194 . | [App. F. III-2

Serial No. 8

CLERK OF THE PRIVY COUNCIL
APR 16 1942
No 10793

Telegram dt 16th April 42 from the Hindusta Aircraft Ltd re stoppg of suitable wire netting needed to protect vital workshop areas.

Though the Govt of India have assumed responsibility for ARP measures in the factory at the request of the ISP the Ords was issued by the Govt. The letter and the Schedule were drafted by Mr. Gordon Peace and sent to the ISP. The factory authorities require the assistance of the Govt for obtaining suitable wire netting needed to protect vital workshop areas. Asks for penal ords

(RS 16/4)

The A copy of the relevant may be sent to the S.L.S. so that the latter may address Mr. Peace in the matter as the Govt of India are responsible for the factory

16/4

Shaefer

Law Secy 16/4

Also write to Rep 4

17/4

Subd with the 2 drafts for consideration

(RS 17/4)

9 Issue 2550 / W dt 17th April 42 to the ISP
10. Pol 1422 to the Rep

NOTE—Cont. Sheet.

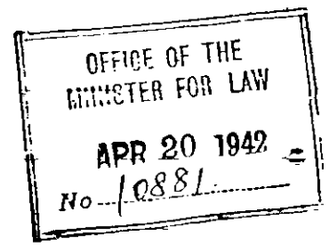
WD 04156—GTP—51—MP—23-10-41

1627/W

W File No. 254 of 1942

General and Revenue Secretariat

Serial No. 11



Letter No.F.3(18A)-42/W dated the 18th April 1942 from the Secretary to the Hon'ble the Resident, forwarding a copy of the notes prepared by Brigadier Broke-smith on his visit to the Hindustan Aircraft Factory, and requesting that necessary action in the matter may be taken urgently in consultation with the Inspector-General of Police.

Subd. with previous references. With reference to the telegram received from the Hindustan Aircraft Factory on the notice served on them under Rule 51C of the Defence of India Rules, the Residency has been requested in this office letter dated the 17th April 1942 to request the Govt. of India to obtain the requirements of the Factory at a very early date. It has also been pointed out tothem that the Govt. of India have assumed responsibility for A.R.P. measures in this factory. Attention of the Residency may be invited to this letter of the 17th and the notes of inspection of Brigadier Broke-smith may be sent to the I.G.P. for communication to the Hindustan Aircraft Ltd., so that the latter might take necessary action on the lines indicated therein.

A draft letter to the Residency is also submitted.

Issued No Pol 1982 Dt 21.4.42 to the Resy.
" 2596/W " to the I.G.P.

12.

1719/W. A.R.P. HINDUSTAN AIRCRAFT FACTORY.

General and Revenue Secretariat | W File No. 254 of 1940-1 | [App. F. III—2

Serial No.

13. From

The Secy. to the Hon'ble the Resident.

No. F.3(18A-42/W dated the 24th April 1942 requesting that the Hindustan Aircraft Factory may be instructed to advise the Chief Adviser, Factory A.R.P. re: the requirements of the Factory.

Subd. with letter to I.G.P. in continuation.

RR 25/4 Sec.

Jm h 25/4

14 Issued no 2665/W. dy 25/4/42 to the I.G.P.

15 From

The Inspector-General of Police in Mysore.

Memo No.A.R.P.20/41/42 dated the 25th April 1942 forwarding copy of his letter addressed to Mr.Gordon Peace.

Subd. for perusal. The I.G.P. was asked to instruct the Factory to advise the Chief Adviser, Factory, A.R.P., of their requirements. But the I.G.P. himself has/addressed the Chief Adviser, requesting to help the Factory to secure sufficient quantity of wire-netting. This is in accordance with our letter dy 17/4/42

RR 29/4 Sec.

In view of our endorsement letter dy 25.4.42, no action is necessary

K 29/4

16. From The Ig of Police.

C.C. 4/41-42 dt 2nd May 42 forwarding a Copy of letter from Hindustan Aircraft Ltd to Labour Dept may be addressed in the matter.

NOTE—Contn. Sheet.

WD 04155—GPB—55,000—23-10-41

189C/W A.R.P. Hindustan Aircraft.

File No. of 194 . | General and Revenue Secretariat.

Serial No.

Re: wire nothing only the Reg was addressed by this Govt. It is not clear as to why the factory addressed the Govt though the Govt of India have assumed responsibility. Submitted with a draft to the Reg for consideration

RS 6/5

Initials illegible

for formal approval

Law Member 7/5

1. Yes.
2. Inform GSPO and also Bombay A

GSPO & arrange that he tell the ~~A.R.P. Officer~~ Govt. Hindustan Aircraft factory to arrange by direct correspondence with Govt of India officers as the Govt of India have assumed responsibility for A.R.P. in the factory

8/5

Law 10/5

Submitted with a letter to the Reg for signature and a draft to the GSP. with reference to Law Ministry minute.

RS 11/5

Initials 11/5

Issued Pol. 2114 & 11 Mis. 42 to the Reg. 14/5
2872 " to the GSP 15/5

MAY 7 1942 No. 1525

CHIEF 6. MAY 7 GOVT. OF M

1900/W
1899/W

A.R.P- Hindustan Aircraft.

General and Revenue Secretariat | File No. | of 194 . | [App. F. III—2

Serial No. 19.

From The ARP officer Hindustan Aircraft Ltd
Letter dt 5th inst. 42 re the ARP measures taken in the Factory.

The matter for was subd to the Chief Secy re Camouflaging in the Factory with a draft to the Resy. This Govt issued an order as to the measures to be undertaken in the Factory, on the basis of the instructions of the Govt of India, as desired by the ISP and the present letter is a progress report of the action taken subd for perusal.

Secy may ask Secret. L.D.A.R.P

Sir
Yrs

Chief S.P

For perusal. Copy with Com sent to the D.G.P.

9/5

Land Minister

Sec C.S.P

11/5

Subd with a memo to the ISP.

Sir (a further report
Sec. send them by a letter) to
20 Issued Memo No. 2880/W dt 11.5.42 To the I.G.P.

MAY 9 1942 No 1581

8. MAY 19[illegible] CHIEF GOVT. OF MYSORE.

NOTE—Contn. Sheet.

WD 04155—GPB—55,000—23-10-41

A.R.P. Hindustan Aircraft
Order under Rule 51 (C)

File No. 257 of 1940-1

General and Revenue Secretariat

Serial No. 21

OFFICE OF THE MINISTER
JUL 13 1942
No 466

From The Secy to the Govt of India
F. 3(18A)-42/W dated 7th July 42
stating that Mr. Maclean has been appointed
for Camouflage Work at the Hindustan
Aircraft Factory.

The GSI. who forwarded the letter
of the Hindustan Aircraft ARP officer, will be
intimated of the above. Subject for send

RS 14/7 Sgd.

Sent with a letter to the GSI.

RS 14/7 Sgd.

Issued 177/W dated 10th July 42 to the GSI 22.

Rembd for record

RS 11/7

Landlord's copy

14/7

14/7

Very urgent

D. O. No. C.C. 4/41.42
Secret

W.257-40-1

1422/W

BANGALORE

26th March, 1942.

E. G. B. PEEL, Esq., C.I.E.,
Inspector-General of Police
in Mysore.

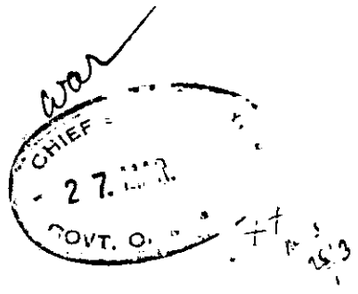
DRAFT ORDER UNDER RULE 51(c) OF THE DEFENCE OF INDIA RULES TO BE SERVED ON THE HINDUSTAN AIRCRAFT FACTORY.

Dear Mr. Mehkri,

I enclose a copy of a D.O. letter No.S/9(41) dated 19-3-42, from Mr. Peace, Chief Adviser to the Government of India for A.R.P. in factories, and all enclosures in original.

An order under Rule 51(c) of the Defence of India Rules together with the covering letter as drafted by Mr. Peace, and the Schedules attached to the draft may kindly be issued by the Mysore Government to the General Manager, Hindustan Aircraft Ltd.

Yours



Gulam Mohiyuddin Mehkri, Esq., B.A., LL.B.,
Chief Secretary to the Government of His Highness the
Maharaja of Mysore,
Bangalore.

W 257-40-2.

VERY URGENT.

31ST March 1942.

No. 2251/W
with Encs.

The Inspector-General of Police in Mysore.

Draft Order under Rule 51(C) of the Defence of India Rules to be served on the Hindustan Aircraft Factory.

- - - - - -

In returning herewith the enclosures received with your letter No.C.C.4 dated the 26th March 1942 on the above subject, I am directed to invite reference to the Residency letter No.F.78(4)-40/W dated the 28th August 1941 (sent to you with this office letter No.W.602/W.85-40-42 dated the 1st September 1941) and Government Notification No.P.1185/Legis.2-41-30 dated the 16th September 1941 (copy enclosed) declaring that the powers exercisable by the Govt. under Rule 51(C) of the Defence of India Rules as applied to Mysore in respect of the Hindustan Aircraft Factory, Bangalore, shall also be exercisable by the Government of India, and also this office letter No.Pol.806 dated the 5th November 1941 to the Residency (copy of which was forwarded to you with this office memo No.973/W dated the 5th November 1941), and to the Residency reply thereto No.F.(78(8)-40/W dated the 7th January 1942 (copy of which has been sent to you with this office No.1439/W dated the 8th January 1942), and to state that it will be seen from the above correspondence that the responsibility for A.R.P. measures in the Hindustan Aircraft Ltd., rests with the Government of India, and to request you therefore that the enclosures may be sent to Mr. Peace with a request that he may cause necessary instructions to be issued to the Factory by the Government of India direct.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

Pol 186 Ecls

1st April

~~31st March~~ 1942.

The Secretary to the Hon'ble the Resident in Mysore

I am directed to forward herewith for information a copy of letter dated the 26th March 1942 received from the Inspector-General of Police in Mysore and of the reply thereto in the matter of serving on the Hindustan Aircraft Factory an order under Rule 51(c) of the Defence of India Rules.

A copy of the draft order referred to in the letter of the Inspector-General of Police is enclosed for reference.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

Rop/1867/48 dt 1.4.1942

To

The Secy. to the Resident.

Sir,

I am directed to forward for ~~your~~ information a copy of a letter dated the 26th March 1942 received from the I.G.P. and of the reply thereto in the matter of serving on the Hindustan Aircraft Factory an order under Rule 51(C) of the Defence of India Rules.

A copy of the draft order referred to ~~therein~~ is ~~also~~ enclosed for reference.

I have etc.,

Chief Secy. to Govt.

~~Copy to I.G.P.~~

DRAFT ORDER.

From

To

L.C. McCarty Esq.,
General Manager,
The Hindustan Aircraft Factory, Ltd.,
Bangalore.

In exercise of the powers conferred by clause (b) of sub-rule(1) of rule 51C of the Defence of India Rules, read with the Notification of the Mysore State No. dated the I hereby order that you L.C. McCarty, Esquire, General Manager, the Hindustan Aircraft Factory, Limited, Bangalore, shall, within the period of eight weeks from the date of this Order carry out the measures specified in the Schedules annexed to this Order, being measures the taking of which is in my opinion necessary to secure the due functioning of your factory and the safety of persons and property therein and in the vicinity thereof, inthe event of hostile attack.

Signed.

DRAFT LETTER

No.

Dated the 1942

From

To

The General Manager,
The Hindustan Air-craft Factory Limited,
Bangalore

Sir,

I am directed to inform you that the completion of air raid precautions on your premises is a matter of great urgency and I am instructed to serve on you the accompanying Order under Rule 51C of the Defence of India Rules. Under Section 3 of the Defence of India Act 1939, this Order shall have effect notwithstanding anything inconsistent therewith contained in any other enactment or in any instrument having effect by virtue of any other enactment other than the Defence of India Act.

I understand arrangements are being made to provide first priority in connection with the supplies of materials necessary for carrying out the structural precautions prescribed in this Order. Should any difficulty be experienced in obtaining the essential supplies of materials please inform me immediately by telegram giving full particulars of your difficulty.

The Central Government are arranging to supply you with trailer pumps, stirrup pumps and steel helmets, the quantities being determined in accordance with the Orders served on you under Rule 51C of the Defence of India Rules; please let me have your requirements with the minimum of delay. Other articles of equipment which you require you should obtain locally. Should you have any difficulty in purchasing any article please advise me and I will endeavour to meet your needs. Anti-gas equipment is not being supplied at present.

Your particular attention is invited to the need for taking special care in strengthening the walls and roof of your building against collapse.

I have the honour to be,
Sir,
Your most obedient servant,

Signed

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

No. P 1185/Legis 2-41-30 General and Revenue Secretariat,
Bangalore, dated 16th September 1941

NOTIFICATION.

In exercise of the powers conferred by sub-section (4) (c) of section 2 of the Defence of India Act, 1939, as applied to Mysore, the Government of His Highness the Maharaja are pleased to declare that the powers exercisable by the Government under rule 81C of the Defence of India Rules, as applied to Mysore, in respect of the Hindustan Aircraft Factory, Ltd., Bangalore, shall also be exercisable by the Government of India.

By Order,

M. K. Varadarajan,
Secretary to Government,
for Law Department.

To

The Compiler, Mysore Gazette for publication in Part IV and sending 100 spare copies immediately

DKH/16-9.

D.O. Letter No.S/9(41) dated 19th March 1942, from the Chief Adviser, Factory A.R.P., New Delhi, to the Inspector General of Police in Mysore, Bangalore.

Referring to my recent visit to Bangalore it has now been decided that Mysore State should be encouraged to get on with A.R.P. in all towns of sufficient importance throughout the State.

I enclose herewith a draft Order which I recommend should be served on the Hindustan Air Craft Factory, a period of eight weeks being given for the completion of the work.

I do not know what the financial arrangements regarding the cost of these A.R.P. measures are in Mysore State but I enclose a copy of a letter we have issued to all Factories in British India which will give you an idea of the way in which we are handling things.

COPY.

A. Macdonald

For Inspector General of Police.

KVN.

TELEGRAMS:
"LABOUR"

GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR.

No. G110-B (ARP).

Dated New Delhi, the 27th February 1942.

From

W.G.Lamarque,Esquire, I.C.S.,
Under Secretary to the Government of India,

To

All Factories for whose A.R.P. Government of India is responsible (except Ordnance factories and Railway workshops).

Sir,

I am directed to address you on the subject of the recoupment of the cost of A.R.P. measures in your factory. It may be remembered that under the Government of India's original scheme it was intended that the cost of such measures would be met by the firms concerned but that subject to existing private contracts they would be permitted to recoup the cost by raising prices from the date when extra overheads began to affect production costs. The Government of India, however, found it impossible in practice to devise a satisfactory formula for implementing the original scheme, which has accordingly been dropped. A second scheme was, therefore, evolved and the comments of Employers' Associations and Chambers of Commerce were invited upon it. The Government of India have given careful consideration to their comments and I am to enclose the scheme which the Government of India have finally decided to implement.

I have the honour to be,
Sir,
Your most obedient servant,

W G Lamarque

Under Secretary to the Government of India.

Copy forwarded to the Civil Defence Department, Finance Department, the Chief Adviser, Air Raid Precautions, Additional Financial Adviser, Supply Finance, and the Electrical Commissioner with the Government of India, for information.

By order,etc.,

W G Lamarque

Under Secretary to the Government of India.

"Sharma"
26.

Scheme for the recovery of cost of measures on Air Raid Precautions in factories.

1. Business concernes will be allowed to recoup the cost of A.R.P. measures by writing off such costs as revenue expenses for income-tax (and excess profits tax) purposes in the accounts for the year in which such costs are incurred except to the extent that some measures taken may have a permanent post-war (capital) commercial value.

2. Costs.- The costs which may be so treated are the costs of

(1) such measures as have been carried out under the orders of an A.R.P. Officer empowered for this purpose either by the Central or Provincial Government,

(2) such measures as have been carried out by the firm on its own initiative but which have been subsequently approved by an A.R.P. Officer empowered for this purpose either by the Central or Provincial Government.

Note:- The scheme will apply to all such A.R.P. measures as may have been ordered or approved, but it should be emphasised that the A.R.P. Officer will only approve of measures undertaken in anticipation of an order if such measures are absolutely essential for A.R.P. purposes.

3. The scheme will be worked in the following manner-

(a) The A.R.P. Officer concerned will serve an order on the firm stating the A.R.P. measures which the firm is required to undertake or, where the firm has already undertaken such measures, approving these measures. Where he considers it necessary it will be open to the A.R.P. Officer to obtain and approve estimates of costs framed by the owners.

(b) A statement of the cost actually incurred by the owners on such measures as have been ordered will be submitted to the A.R.P. Officer who served the orders. This statement will bear a certificate of the auditors of the owners of firms to establish the conformity of the statements with the accounts of the firms. On receipt of these statements the A.R.P. Officer ordering or approving the measures will, on being satisfied of the correctness of the statements, certify the amount which should be treated as allowable revenue expenditure for this purpose and the amount to be treated as capital expenditure, and the Income-tax officers will treat such certificates as final for purposes of assessment.

Note:- Before expenditure is treated as capital expenditure, the A.R.P.Officer will satisfy himself not only that the expenditure will have a post-war value but also that the expenditure is one which in the ordinary course the firm might have found it advisable to undertake.

4. Appeal.- Firms may appeal to the Government of India against the amounts certified by the A.R.P. Officer within sixty days of his so certifying.

Form of Certificate to be issued by the A.R.P.Officer.

I..... being the A.R.P. Officer empowered by Government for the purpose, hereby certify that I have ordered the following work to be carried out by..... for A.R.P.purposes.

(detail the work ordered)

I certify that the cost of this work was Rs.....of which no part Rs..... has a post-war commercial value and represents expenditure which, in the ordinary course, the firm / company might have found it advisable to undertake, and which is eligible for treatment as capital expenditure undder the following heads:-

.....

.....

.....

.....

.....

Rs..... is to be treated as allowable revenue expenditure for purposes of Income-tax and Excess Profits Tax.

Signature.....

Designation.....

"Sharma"
25.

FLEXIBLE SUBSTITUTES FOR GLASS

The material, while standing up to wind pressure, should be capable of being dislodged by blast so that it can be readily replaced. The weaker materials should not be used in large unsupported areas. On such areas the opening should be sub-divided by wooden bars.

Tests have shown that if flexible glass substitutes are fixed with nails or staples, the material when displaced is usually torn at the edges. Also where edge fixing is too strong the material may be burst in the centre. The methods of fixing are therefore important; it is considered that the best methods include the following:-

(i) Fixing the edges continuously to the window frame by means of a non-hardening putty, mastic or adhesive tape.

(ii) Using panels on batten framing lightly fixed to the window frames.

(iii) Fixing on the face of wooden frames by laths or beading, care being taken that the tacks securing the laths do not penetrate the material.

(i) and (ii) can be used with both metal and wooden frames. The substitute should be strained to form a tight membrane.

For fixing in roof lights materials of the appropriate width can be inserted directly in place of the glass provided there is sufficient rigidity to withstand wind pressure; otherwise cross supports at regular intervals will be necessary. Thin wooden beads should be inserted under each side of the material so that the total thickness approximates to that of the original glass; the lead flashing will then go back into its original position.

The Schedule (IV)

Provide -

(1) the number of trained A.R.P. personnel indicated in the following table as necessary in your factory -

The numbers to be trained are related to the number of persons at work at any one time of the day. If more than one shift is employed, the numbers to be trained must be increased pro rata.

Number of persons at work at any one time	Less than 500	500	1,000	2,000	5,000	Notes
First Aid Centre	See organisation of A.R.P. services, para (b) on page 31 of a Summary of A.R.P. applied to factories	..	4 (1x4)	8 (2x4)	12 (2x6)	The figures in brackets indicate the numbers of parties and the strength per party, i.e. (2x4) means two parties each of four persons
First-aid Parties	-do-	8 (2x4)	8 (2x4)	12 (3x4)	16 (4x4)	
Rescue Parties		10 (1x10)	20 (2x10)	30 (3x10)	40 (4x10)	
Telephone operators		1	2 (1x2)	3 (1x3)	3 (1x3)	
Messengers		2	3	4	6	
Keymen	Existing staff augmented as required					

(2) a responsible official and fully trained deputy to take executive control immediately a state of emergency is declared;

(3) a competent individual and fully trained deputy to prepare an Air Raid Precautions Scheme and organize the prescribed personnel and services;

(4) individuals and fully trained deputies to take charge of each A.R.P. service and work under the control officer prescribed in clause 2 hereof;

(5) a properly organized wardens service on the scale of one senior warden for every 250 persons employed in the factory assisted by one warden for every 50 persons

so employed; each warden to be furnished with

1 armlet
1 Badge
1 Electric torch
1 Hand rattle
1 Haversack
1 Report forms
1 Pencil
1 Whistle

(6) a blast and splinter proof control post in close proximity to the factory A.R.P. services.

(7) first aid accommodation on the following basis:

No. of employees in the largest shift	
500-1,000	one ~~post~~ Centre
1,000 ~~500~~ to 2,000	2 ~~posts~~ "
2,000 to 5,000	3 ~~posts~~ "
5,000 to 10,000	4 ~~posts~~ "
10,000 to 20,000	5 ~~posts~~ "

Each ~~post~~ centre shall consist of 3 rooms - one for the reception of casualties, one for treatment and one waiting room. The minimum size of a ~~post~~ centre is 300 sq. ft., and it must be equip as per Annexure I in addition to the necessary furnishings and fittings.

(8) each Rescue Party with a first aid box and two pouches equipped in accordance with Annexure III;

(9) each Warden's post with a first-aid box equipped in accordance with Annexure II.

(10) each First aid Party with two stretchers and one first aid haversack and each man of the party with a first aid pouch. The haversacks and pouches shall contain -

One Haversack

Bandages, triangular	36
Canes for tightening improvised tourniquets	8
Cotton wool, 1 oz. packets	6
Dressing, shell	18
Dressing, first field	12
Lint, un-medicated, in squares about 18"x12"	6
Ointment, anti-gas, 2 oz. tins or jars	8
Safety pins, large, cards of 6	8
Clasp knife	1
Scissors (7" long, 1 blade pointed and 1 blade blunt)	1
Tourniquet (Samway)	2
Splints, sectional wooden sets	2
Straps for sectional splints	18
Torch, electric	1
Pencil, lead	1

Four pouches

Bandages triangular	9
Canes for tightening improvised tourniquets	3
Dressing, shell	6
Dressing, first field	6
Labels, casualty, identity packets of 20	1 pkt.
Ointment, anti-gas, 2 oz. tins or jars	1
Safety pins, large, cards of 6	3
Clasp knife	1
Scissors (7" long, 1 blade pointed and one blade blunt)	1
Tourniquet (Samway)	1

and in addition for each party 3 splints lister or splints legsets and 21 straps for splints leg to be carried separately.

(11) the necessary number of trained personnel to enable parties of watchers consisting of two persons to be so posted, once a state of emergency is declared, that they can see or hear the fall of every incendiary bomb and give immediate information as to its location to stirrup pump parties or the Control Post;

(12) adequate communications between watchers and the stirrup pump parties and the Control Post;

(13) Stirrup Pumps and Stirrup pump parties each consisting of three persons, for two thirds of the number of stirrup pumps, to the following standard:-

Stirrup pump parties for all buildings and combustible materials stacked in the open -

Up to 3,000 sq. ft. roof area	1 party
3,000 sq. ft. to 20,000 sq. ft. roof area	2 parties
20,000 sq. ft. to 50,000 sq. ft. roof area	3 parties
50,000 sq. ft. to 1,00,000 sq. ft roof area	4 parties
for every additional 50,000 sq. ft. or part thereof	1 party

In addition one stirrup pump and two filled buckets of water for every 4,000 sq. ft. of floor area or part thereof shall be provided on all floors for the use of stirrup pump parties and others.

Notes:-

The expression of "roof area" means "roof area in plan" Buildings may be combined for the purpose of assessing the number of parties required.

(14) the following equipment for each stirrup pump party -

Stirrup pump with dual nozzle and 25 ft. hose	1
Buckets	2
Axe	1
Hand lamp	1

(15) six gallons of water in buckets or containers on, or about, the top floor - or on the ground floor in single story buildings - for every 8,000 sq. ft. of roof area or part thereof;

(16) four sandbags two-thirds full for every 8,000 sq. ft. or part thereof of road, yard or garden;

(17) in all locations where it is necessary to prevent a fire at all costs, approved shields as protection against incendiary bombs which may contain a small explosive charge;

(18) the minimum flow of water and the minimum number of trailer fire pumps calculated by the following formula -

Let -

the total area in sq. ft. of all floors including galleries in all buildings be represented by A

the total area in sq. ft of all floors and galleries in which combustible materials are handled or stored (not to apply to timber in the open) by B

the total area of all floors over 50 ft. above ground level by C

the total area of all floors in any building other than one of fire resisting construction by D

Then the minimum number of gallons of water per minute required is -

$$\frac{A + B + C + D}{1,000}$$

and the number of appliances required is to be based on the following table:-

Less than 120 gallons per minute	No power driven pump required
120 to 180 gallons per minute	one light trailer pump
180 to 500 gallons per minute	one large trailer pump
500 to 900 gallons per minute	2 large trailer pumps
900 to 1,200 gallons per minute	2 large and 1 light trailer pump.

(19) a fire party consisting of at least 3 men for each large trailer pump and 5 men for each light trailer pump each party equipped with

Trailer pump or water pump	1
Hose in lengths of 50 or 75 ft. with couplings	500 Rft or 250 Rft. according to size of pump
Buckets	20
Branchpipes	2
Standpipes and turncocks' tools (if hydrants are installed)	2
Felling axe	1
Ladder (30 ft.)	1
Hurricane lamps	3
Long line (100 ft.)	2

Suction hose 8 or 10 ft.	2
Dividing Breach.	1
Preventer	1
Galvanised iron suction strainer	1
Basket suction strainer	1
Two-way suction collecting head	1

(20) A number of Masonry, concrete or bitumen lined or clay puddled sumps or underground tanks of at least 10,000 to 15,000 gallon capacity sufficient to provide the flow of water calculated under clause 16 above for one hour. /If these tanks are more than 1500 feet from the most distant points of the premises the number of appliances calculated under clause 16 shall be doubled./

(21) Proper instructed keymen, at least two to each post, who must remain on duty during the progress of an air raid to attend to such duties as turning off gas, attending to boilers and other vital plant.

(22) Blast and splinter proof shelters of approved design for all keymen.

(23) An efficient system of warning signals to convey the A.R.warning to all employees.

(24) Telephone communication between the Control Post, A.R.P. Services and personnel in places of shelter.

(25) A messenger service from the Control Post to all A.R.P. Services as an alternative to any other means of communication.

(26) The following scale of personal protective equipment for each A.R.P. worker -

A.R.P. Service.	Steel Helments.	Gum Boots.	Mittens.	Overalls.
Control Staff.	1	--	--	--
First Aid Centres.	--	--	--	1
First Aid Parties.	1	--	--	--
Rescue Parties (if employed)	1	1	1	--
Stirrup pump Parties.	1	1	--	--
Fire watchers.	1	--	--	--
Trailer Pump Parties.	1	1	--	--
Telephone Operators.	--	--	--	--
Messengers.	1	--	--	--
Keymen.	1	1	--	--
Wardens.	1	--	--	--

(27) The equipment indicated below for each Rescue Party prescribed under Clause 1. -

	Per Extra Light Party.	Per Light Party.	Per Heavy Party.
Iron shod lever 10 ft. long.	2	2	3
Heavy block for fulcrum.	1	2	2
Crowbars.	2	3	3
Picks.	2	3	3
Shovels.	2	3	3
Half round files.	2	2	2
Sledge hammer.	1	1	1
Heavy axe.	1	2	2
Light axe.	1	2	2
Two handled cross cut saw.	1	1	1
Hand saw.	1	2	2
40 ft. lengths 1½ in. manilla lashing lines.	2	3	3
Chain tackle.	1	1	1
Single sheave snatch block.	1	1	1
35 ft. ladder.	1	1	1
Acetylene flare (small).	1	1	1
Hand electric lamps.	2	2	2
Hurricane lanterns.	2	4	4
Box of miscellaneous tools.	1	1	1
Jacks with 10 or 15 tons lift.	..	2	2
Jack with 20 ton lift.	..	..	1
15 ft. lengths of wire rope.	..	6	6
Rubber gloves (pair).	..	1	1
Leather gloves (pair) (per member of party).	..	1	1
Set of rope tackle, 3 sheave - 2 sheave.	..	1	1
100 ft. length 4 in. manilla rope.	1	1	1
Stretcher harness (set).	..	1	1

Webbing bands (for carrying casualties) (set)	1	1	
Scaffold poles for sheerlegs	3	3	
Debris baskets	6	6	
Firemen's axes (with carrying pouches)	6	6	
Electric inspection lamp, with up to 200 ft. of flex	1	1	
Short ladder (8 or 10 ft.)	1	1	
Stirrup hand pump and 25 ft. of hose	1	1	
Buckets for use with pump	3	3	
Tarpaulines or stout canvas sheets or sheets of corrugated iron (to protect trapped persons from falling debris until release)	1	2	2

ANNEXURE I

List No. 1

Medical stores and equipment for a first aid Centre (~~Unit~~).

Sr. No. (1)	Item (2)	Unit (3)	Scale (4)	% of Reserve (5)	Remarks (6)
1.	Acreflavin	Tab.	10	50	Substitute Eusol ½ gallon for a ~~unit~~ Centre
2.	Soda Bicarb.	oz.	4	50	
3.	Liquor iodi mitis	oz.	4	50	Substitute Picric Acid sol. 5% in alcohol oz. 8.
4.	Oleum ricini in drop bottle.	oz.	1		
5.	Spt. Ammon. Arcmat.	oz.	8	50	
6.	Unguentum Atropinae (1 per cent in ½ oz. tubes)	Tube	1		
7.	Spirit, methylated, mineralised.	Pints	2	50	
8.	Bandages loose wove, 4"x6 yds.	No.	50	50	
9.	Bandages loose wove 2½" x 6 yds.	No.	50	50	
10.	Bandages, triangular.	No.	9	50	
11.	Bandages, many tailed.	No.	3		
12.	Dressings, First Field.	No.	25	75	
13.	Dressings, Shell	No.	10	50	
14.	Gauze, absorbent, 25" wide in packets of 3 yds. folded.	Pkts.	3	50	
15.	Lint cotton, absorbent in 1 lb. pkts.	lb.	1	50	
16.	Wool, cotton, absorbent, 1 lb. pkts.	lbs.	1	50	
17.	Wool cotton non-absorbent.	lb.	1	50	
18.	Plaster, adhesive, zinc oxide, 3"x10 yds. spool.	spool	1	50	
19.	Forceps, dissecting 5"	No.	1		
20.	Forceps, dressing	No.	1		

(1)	(2)	(3)	(4)	(5)	(6)
21.	Scissors, surgical	No.	1		
22.	Scissors, stretcher bearers' (7" long, 1 blade pointed, 1 blade blunt).	No.	1		
23.	Tongue depressor	No.	1		
24.	Catheter I.R. size 8 or 9.	No.	1		
25.	Pins, safety, tins of 36.	Tins	1	50	
26.	Tourniquet	No.	1		
27.	Splinting, Gooche's wood 24"x18", pieces.	Rolls	2	50	
28.	Splints, arm, wood, plain sets of 8.	Set	1	50	
29.	Splints, knee Thomas's without foot-pieces, size 24" x 28".	No.	2	15	
30.	Splints, Liston's long, sets of 6.	No.	1	25	
31.	Splints posterior wood with a foot-piece.	No.	2	15	
32.	Straps & buckles for splints	Doz.	1	25	
33.	Bath, eye, glass	No.	1		
34.	Eye shades	No.	3	25	
35.	Stoves, paraffin, "Primus" 1 burner	No.	1		
36.	Medicine Glass oz. 2	No.	1		
37.	Basin, dressing, E.I. kidney-shape 10 in.	No.	1		
38.	Bowl, E.I., 8"	No.	1		
39.	Jar, dressing circular 8" x 8" E.I. with cover.	No.	2		Substitute any tin container with a tight fitting lid.
40.	Trays, dressing, enamelled steel, 11" x 9" x 2".	No.	1		

(1)	(2)	(3)	(4)	(5)	(6)
41.	Basins, enamelled iron, washing 14"	No.	1		
42.	Bin ash, large	No.	1		
43.	Bottle, hot water	No.	2	25	
44.	Bottle, urine	No.	1		
45.	Floor mop, short handle.	No.	1		
46.	Cups, feeding	No.	1		
47.	Mugs, E.I.	No.	2		
48.	Pail zinc	No.	1		
49.	Lamps, hurricane	No.			1 per room.
50.	Towels, hand, size	No.	4	25	
51.	Candles	No.	6	10	
52.	Matchboxes	No.	6	10	
53.	Soap, hand	Cakes	2	50	
54.	Soda washing	oz.	8	50	
55.	Stretchers, ambulance	No.	3		
56.	Sheets water proof	Yds.	2		
57.	Blankets	No.	6	25	
58.	Pencil	No.	1	25	
59.	Torches, with dry batteries.	No.	2	25	
60.	Spare dry batteries.	No.	2	25	
61.	Casualty Register	No.	1		
62.	Tie-on-labels, set of 18 in an envelope.	Sets.	2		
63.	Tea box	No.	1		

Contents of Tea Box

Tea	1 lb.
Condensed milk	1 lb.
Sugar	2 lbs.
Cups & saucers	2 sets
Saucepan	1
Spoons	3
Kettle E.I.	1

List No. H

Medical stores and equipment for a First Aid Centre (post) in addition to the items contained in List No.1. (Where a Medical Officer is on duty).

Sr. No. (1)	Item (2)	Unit (3)	Scale (4)	%of Reserve (5)	Remarks (6)
1.	Morphine Sulph. ¼ gr. 1 c.c. ampoules, boxes of 6.	Box	1	50	
2.	Nikethamide, 1.7 C.C. ampoules, boxes of 5.	Box	1	50	
3.	Liq.Adrenalin tartaratisor hydrochlor	oz.	1	25	
4.	Sera A.T.S. or Anti-toxin tetanus	amps.	3	50	
5.	Tannaleb (substitute "Tannafax") 4 oz. tubes.	Tubes	2	25	
6.	Chloroform	oz.	2	25	
7.	Aether	oz.	4	50	
8.	Drop bottle	No.	1		
9.	Mask (inhaler Oxygen's)	No.	1		
10.	Airway (Hewitt's)	No.	1		
11.	Forceps tongue	No.	1		
12.	Mount Oxs (Oxygenham's)	No.	1		
13.	Procain 1% 3 c.c. ampoules	amps.	3	25	
14.	Silk, Chinese twist	Vial	1	25	substitute silk thread in hank.
15.	Catgut sterilised plain size '0', 5 ft. strand in tube.	Tube	1	25	
16.	Needles assorted (suture)	No.	4	25	
17.	Forceps, artery 5"	No.	4		
18.	Forceps, Sinus 7"	No.	1		
19.	Probe	No.	1		
20.	Scalpel	No.	1		

(1)	(2)	(3)	(4)	(5)	(6)
21.	Forceps artery mosquito (Splinter Forceps)	No.	1.		
22.	Syringe, hypodermic 2 c.c. with 2 needles in case.	No.	1	25	
23.	Syringe Record 10 c.c. with 2 needles in case.	No.	1	15	Substitute syringe serum
24.	Steriliser, fish kettle, with lamp complete, size 15" x 5" x 4"	No.	1		
25.	Brushes, nail, ward.	No.	1		
26.	Surgeon's Rubber Gloves size*	Pairs*			* 1 per M.O. on duty & * 1 per nurse on duty
27.	Surgeons over-all*				
28.	Lysol 4 oz. bottle	No.	1	25	
29.	Irrigator E.I. 2 pint complete	No.	1		
30.	Jug measure E.I. graduated 1 pint	No.	1		
31.	Table with Trestles size	Pair	1		
32.	Crutches	Pair	1	10	
33.	Walking sticks	No.	2	10	

ANNEXURE II .

Contents of a First Aid Box for a warden's post.

Bandages, triangular	9
Canes, for tightening improvised tourniquets.	3
Dressing, shell	6
Dressing, First Field.	6
Ointment, antigas 2 oz. tins or jars.	2
Safety pins (large) cards of 6	3
Scissors	1 pair.
Tourniquet	1

ANNEXURE III

Equipment for Rescue Party.

(a) Contents of Pouch.

Bandages triangular	9
Canes, for tightening improvised tourniquets.	3
Dressing, shell	6
Dressing, First Field.	6
Labels, casualty identity, packets of 18.	1 packet.
Ointment, anti-gas, 2 oz. tins or jars.	1
Safety pins (large) cards of 6.	3
Scissors	1 pair.
Tourniquet	1

(b) Contents of First Aid Box.

Bandages, triangular	12
Canes, for tightening improvised tourniquets.	3
Dressing, shell	6
Dressing, First Field.	6
Lint, unmedicated, in squares about 18 in. by 12 in.	6
Ointment, anti-gas, 2 oz. tins or jars	2
Safety pins (large) cards of 6	4
Clasp knife	1
Tourniquet	2
*Splints, leg, sets.	2
*Straps for leg splints	14

* To be carried separately from box.

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

VERY URGENT.

General and Revenue Secretariat

Dated, Bangalore, 31ST March 1942.

No. 2251/W

From with Encs.

The Chief Secretary to the Government of His Highness the Maharaja of Mysore,

To

The Inspector-General of Police in Mysore.

Sir,

Draft Order under Rule 51(C) of the Defence of India Rules to be served on the Hindustan Aircraft Factory.

- - - - - -

In returning herewith the enclosures received with your letter No.C.C.4 dated the 26th March 1942 on the above subject, I am directed to invite reference to the Residency letter No.F.78(4)-40/W dated the 28th August 1941 (sent to you with this office letter No.W.602/W.85-40-42 dated the 1st September 1941) and Government Notification No.P.1185/Legis.2-41-30 dated the 16th September 1941 (copy enclosed) declaring that the powers exercisable by the Govt. under Rule 51(C) of the Defence of India Rules as applied to Mysore in respect of the Hindustan Aircraft Factory, Bangalore, shall also be exercisable by the Government of India, and also this office letter No.Pol.806 dated the 5th November 1941 to the Residency (copy of which was forwarded to you with this office memo No.973/W dated the 5th November 1941), and to the Residency reply thereto No.F.(78(8)-40/W dated the 7th ~~November~~ January 1942 (copy of which has been sent to you with this office No.1439/W dated the 8th January 1942), and to state that it will be seen from the above correspondence that the responsibility for A.R.P. measures in the Hindustan Aircraft Ltd., rests with the Government of India, and to request ~~you~~ therefore that the enclosures may be sent to Mr. Peace with a request that he may cause necessary instructions to be issued to the Factory by the Government of India direct.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

W 257-40-3.

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat/ 2nd April.

Dated, Bangalore, ~~31st March~~ 1942.

No. Pol 1867 Ecls. W.

From

The Chief Secretary to the Government of His Highness the Maharaja of Mysore.

To

The Secretary to the Hon'ble the Resident in Mysore

Sir,

I am directed to forward herewith for information a copy of letter dated the 26th March 1942 received from the Inspector-General of Police in Mysore and of the reply thereto in the matter of serving on the Hindustan Aircraft Factory an order under Rule 51(c) of the Defence of India Rules.

A copy of the draft order referred to in the letter of the Inspector-General of Police is enclosed for reference.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

Letter No.C.C.4 dated the 26th March 1942 from the Inspector-General of Police in Mysore to the Chief Secretary to Government.

- - - - - -

Draft Order under Rule 51(c) of the Defence of India Rules to be served on the Hindustan Aircraft Factory.

- - - - -

I enclose a copy of a D.O. letter No.S/9(41) dated the 19th March 1942 from Mr. Peace, Chief Adviser to the Govt. of India for A.R.P. in factories, and all enclosures in original.

An order under Rule 51(C) of the Defence of India Rules together with a covering letter as drafted by Mr. Peace and the Schedules attached to the draft may kindly be issued by the Mysore Government to the General Manager, Hindustan Aircraft Ltd.

"C O P Y"

Letter dated the 31st March 1942 addressed to the Inspector-General of Police in Mysore.

- - -

Draft Order under Rule 51(C) of the Defence of India Rules to be served on the Hindustan Aircraft Factory.

- - - -

In returning herewith the enclosures received with your letter No.C.C.4 dated the 26th March 1942 on the above subject, I am directed to invite reference to the Residency letter No.F.78(4)-40/W dated the 28th August 1941 (copy sent to you with this office letter No.W.602/W.85-40-42 dated the 1st September 1941) and Govt. Notification No.P.1185/Legis.2-41-30 dated the 16th September 1941 (copy enclosed) declaring that the powers exercisable by the Govt. under Rule 51(C) of the Defence of India Rules as applied to Mysore in respect of the Hindustan Aircraft Factory, Bangalore, shall also be exercisable by the Govt. of India, and also to this office letter No.Pol.806 dated the 5th November 1941 to the Residency (copy of which was forwarded to you with this office memo No.973/W dated the 5th November 1941), and to the Residency reply thereto No.F.78(8)-40/W dated the 7th January 1942 (copy of which has been sent to you with this office No.1439/W dated the 8th January 1942), and to state that it will be seen from the above correspondence that the responsibility for A.R.P. measures in the Hindustan Aircraft Ltd., rests with the Govt. of India, and to request therefore that the enclosures may be sent to Mr. Peace with a request that he may cause the necessary instructions to be issued to the Factory by the Govt. of India direc

"C O P Y"

DRAFT ORDER.

From

To

L.C. McCarty Esq.,
General Manager,
The Hindustan Aircraft Factory, Ltd.,
Bangalore.

In exercise of the powers conferred by clause (b) of sub-rule(1) of rule 51C of the Defence of India Rules, read with the Notification ~~of the Mysore State No. dated the~~ I hereby order that you L.C. McCarty, Esquire, General Manager, the Hindustan Aircraft Factory, Limited, Bangalore, shall, within the period of eight weeks from the date of this Order carry out the measures specified in the Schedules annexed to this Order, being measures the taking of which is in my opinion necessary to secure the due functioning of your factory and the safety of persons and property therein and in the vicinity thereof, in the event of hostile attack.

Signed.

VERY URGENT.

1st April 2

2272/W
W254-40-4.

I am desired to enclose herewith a notice under Rule 51C of the Defence of India Rules to be served on the General Manager, the Hindustan Aircraft Factory, Limited, Bangalore, and to request you to be so good as to kindly arrange to have the same duly served upon him and to return the duplicate with due endorsement of service therein.

M. Seshadri Esq., M.A.,
District Magistrate,
Bangalore District.

W257-40-5 1470/W.

Mr. M. SESHADRI, M.A.,
District Magistrate.

DISTRICT MAGISTRATE'S OFFICE,
BANGALORE,

Dated 2nd April 1942.

D. O. ....J1-C....1352/41-42
Enc: one.

Dear Mr. Mehkri,

As desired in your D.O. letter No. 2272/W dated yesterday, I am returning herewith the duplicate of the Notice issued to the General Manager of the Hindustan Aircraft Factory, Ltd., under rule 51C of the Defence of India Rules, with due endorsement of service thereon.

Yours sincerely,

M Seshadri

Very Urgent

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated; Bangalore, 1st April 1942.

No. 2271/W.

From Gulam Mohiyuddin Mehkri Esq., B.A.,LL.B.,
Chief Secretary to the Government of His Highness the Maharaja of Mysore,

To

L.C. McCarty Esq.,
General Manager,
The Hindustan Aircraft Factory, Ltd.,
Bangalore.

Sir,

I am directed to inform you that the completion of air raid precautions on your premises is a matter of great urgency and I am instructed to serve on you the accompanying Order under Rule 51C of the Defence of India Rules. Under Section 3 of the Defence of India Act, 1939, this Order shall have effect notwithstanding anything inconsistent therewith contained in any other enactment or in any instrument having effect by virtue of any other enactment other than the Defence of India Act.

I understand arrangements are being made to provide first priority in connection with the supplies of materials necessary for carrying out the structural precautions prescribed in this Order. Should any difficulty be experienced in obtaining the essential supplies of materials please inform me immediately by telegram giving full particulars of your difficulty.

The Central Government are arranging to supply you with trailer pumps, stirrup pumps and steel helmets, the quantities being determined in accordance with the Orders served on you under Rule 51C of the Defence of India Rules; please let me have your requirements with the minimum of delay. Other articles of equipment which you require you should obtain locally. Should you have any difficulty in purchasing any article please advise me and I will endeavour to meet your needs. Anti-gas equipment is not being supplied at present.

Your particular attention is invited to the need for taking special care in strengthening the walls and roof of your building against collapse.

I have the honour to be,
Sir,
Your most obedient servant,

Chief Secretary to Government.

HINDUSTAN AIRCRAFT LTD., Genl. Manager Apr 2, 1942

Received the letter No. 2271/41 dated April 1, 1942 from the Chief Secretary to the Government of H.H.The Maharaja of Mysore, together with the order and the shhedules annexed to that order, in original, served on me in person by the District Supdt. of Police, Bangalore Dist, this day afternoon, in my office

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

GENERAL AND REVENUE SECRETARIAT

No. 2270/W

Dated Bangalore, the 1st Apr.'42.

ORDER.

From

Gulam Mohiyuddin Mehkri Esq., B.A.,LL.B.,
The Chief Secretary to the Government of His Highness
the Maharaja of Mysore.

To

L.C. McCarty Esq.,
General Manager,
The Hindustan Aircraft Factory, Limited,
Bangalore.

In exercise of the powers conferred by clause (b) of sub-rule (1) of rule 51C of the Defence of India Rules, I, Gulam Mohiyuddin Mehkri, Chief Secretary to Government, hereby order that you, L.C. McCarty, Esquire, General Manager, the Hindustant Aircraft Factory, Limited, Bangalore, shall, within the period of eight weeks from the date of this Order carry out the measures specified in the Schedules annexed to this Order, being measures the taking of which is in my opinion necessary to secure the due functioning of your factory and the safety of persons and property therein and in the vicinity thereof, in the event of hostile attack.

Chief Secretary to Government.

DRAFT ORDER

No.

Dated the 1942

From

To

L.C. ~~Macurly~~ McCarty, Esquire,
General Manager,
The Hindustan Air-craft Factory,
Limited, Bangalore

In exercise of the powers conferred by clause (b) of sub-rule (1) of rule 51C of the Defence of India Rules, read with the Notification of the Mysore State No. Dated the I hereby order that you L.C. ~~Macurly~~ McCarty, Esquire, General Manager, The Hindustan Air-craft Factory, Limited, Bangalore, shall, within the period of eight weeks from the date of this Order carry out the measures specified in the Schedules annexed to this Order, being measures the taking of which is in my opinion necessary to secure the due functioning of your factory and the safety of persons and property therein and in the vicinity thereof, in the event of hostile attack.

Signed

SCHEDULE I

1. Disperse all spare gear and equipment throughout the plant. Wherever it is possible spare parts for machines should not be stored within 100 feet of the machines for which they are provided.

2. Provide air raid shelters for all the personnel in the factory to one or other of the specifications for A.R.P. shelters in India given in Chapter 11 of "A Summary of Air Raid Precautions applied to Factories".

3. Provide for an immediate blackout should an alarm be received.

4. Water holes or tanks containing at least 10,000 gallons of water as a supply for the trailer pumps must be provided in the vicinity of every building containing inflammable material.

5. Each electric motor providing power for the various shops must be protected by the erection of walls all round the motors wherever this is possible. The walls should be as high as the motor and the switch gear it is designed to protect.

6. In normal working a great deal of inflammable material is left lying about the shops and yards. This may consist merely of piles of timber, empty packing cases and similar articles but it must be carefully collected and, should it be necessary to retain it in the factory, it must be so stored as to avoid any risk of fire to the plant and preferably arranged in small heaps with wide spaces in between to enable a fire to be quickly dealt with before it can grow to serious dimensions. Saw dust, shavings and similar by-products of operations must be removed at very short intervals and the quantities on the floor and within the vicinity of carpenters' and similar wood working shops should be kept as low as possible by removing it hourly.

SCHEDULE II.

1. Sectionalise all shops, as far as it is possible to do so without interfering with the flow of work, by the erection of blast and splinter proof walls. These walls must be independent of the main structure, not tied to stanchions or bonded to walls.

2. Provide blast and splinter proof walls round the transformers leaving sufficient properly traversed openings for access and ventilation.

3. Provide blast and splinter proof walls 8' high round the gas plant leaving sufficient properly traversed openings for access and working.

4. Carry out the recommendations made in Chapters 2, 3, 4, 5 and 6 of "A Summary of Air Raid Precautions applied to Factories" a copy of which is attached.

SCHEDULE III.

Remove all glass whether wired or protected by wire or not from doors, windows, lights and apertures. Where daylight is desirable the glass should be replaced by glass substitute ø; other apertures being preferably bricked up or where bricking is not possible boarded up, the boards being treated with fire proof paint of the following composition:-

Sodium silicate (in the form of syrup)	112 lbs.
Kaolin (china clay)	150 lbs.
Water	100 lbs.

ø For the time being this substitute and the solution can be obtained from the Indian Glass Substitute Company, P.O. Baksar, Simbhaoli District Meerut. It has not been possible to test these substitutes over a period of time but Government are satisfied that the one indicated will give efficient service over a minimum period of 3 months and will thus tide over the present emergency until more permanent substitutes can be imported.

You should make your own arrangement with the firm concerned for securing the glass substitute. A note on the method of applying the substitute is attached.

An alternative method of applying the substitute is to insert suitable cloth in the window apertures and then treat it with the special solution. The Indian Glass Substitute Company can supply the solution together with the Instructions for its use.

No. 2301/W.
W257-40-B

4th April 1942.

The Inspector-General of Police in Mysore.

Draft order under Rule 51C of the Defence of India Rules to be served on the Hindustan Aircraft Factory.

- - - -

I am directed to inform you that the District Magistrade, Bangalore District, who was requested to serve the order, has reported that the same was served on Mr. McCarty, General Manager, the Hindustan Aircraft Factory, on the 2nd April 1942, together with the three schedules referred to in the order.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

W25F-40-9. 1444 W

Telegram : "POLICE."
Telephone : 2108.

POLICE DEPARTMENT.

OFFICE OF THE
INSPECTOR-GENERAL OF POLICE IN MYSORE,
Bangalore, dated 28th March, 1942.

No. C.C.4/41-42.
Encl.

MAR 30 1942
9996

DEWAN'S OFFICE
1 APR. 1942
No. 8518

APR 6 1942
No. 6208

FROM

The Inspector-General of Police in Mysore,
Bangalore.

COEF E...
31. MAR. 1942
GOVT. OF MYSORE

To

The Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
BANGALORE.

Subject:- A.R.P. ARRANGEMENTS - HINDUSTAN AIRCRAFT FACTORY.

SIR

I have the honour to enclose for the information of Government a copy of a letter No.A.R.P.19329 dated 20-3-1942, from the A.R.P. Officer, Hindustan Aircraft Factory to the A.R.P. Controller, Bangalore City and of the reply.

I have the honour to be,
Sir,
Your most obedient servant,
D. Menezes
for INSPECTOR GENERAL OF POLICE.

Subject for journal

Law Secretary 31/3
The G of I has taken responsibility for A.R.P. arrangements in this factory
Dewan). 31/3

4/4/42

Letter No.ARP/19329 dated 20th March 1942, from the A.R.P. Officer, Hindustan Aircraft Ltd., Bangalore, to the A.R.P. Controller, Bangalore City.

Our radio alarm net has been advised to call your control room when an alarm is given at the Hindustan Aircraft Factory. As an alarm is sounded here on the approach of any aircraft the arrival of flight of which is not previously known, we are subject to false alarms being given. This represents a difficult problem that will take time to fully overcome. Your attention is invited to the above so that you may use the information to best advantage.

As certain factory personnel should report here in case of an alarm or raid that may occur after regular hours, it will be appreciated if you would forward the undersigned thirtyfive permits for the operation of motor cars in Bangalore during an alarm. Instructions will be issued that in no case will the motor car proceed when enemy raiders are above or near and that operation during an alarm will be with restricted lights. I can notify you of the names of the persons and car numbers to whom they are issued.

Also please advise the undersigned of your detailed plan for evacuation of factory casualties to hospitals and any special information that may pertain to the use by the factory of City fire fighting equipment.

If it is possible for the Hindustan Aircraft Factory to secure from you trained personnel who could act as Instructors in fire fighting and first aid, it would answer a great need. We could make use of men willing to render this service during off hours from their regular employment and of course would receive adequate compensation.

Trusting I will receive an early reply regarding the above and thanking you.

COPY.

N. MacBarnet

A.R.P. Controller.
Bangalore City.

KVN.

D.O.Letter No.CC.4/41-42 dated 28-3-42, from the Spl. A.R.P.Officer & A.R.P. Controller, Bangalore City, to the A.R.P.Officer, Hindustan Aircraft Ltd., Bangalore.

I have your letter No.A.R.P.19329 dated 20-3-42, re: Air Raid Warnings etc., and thank you for the same. With reference to each point raised in your letter, I write to say as follows:-

2. The Inspector General of Police has been working on a scheme of receipt & distribution of air raid warnings and it has almost got a final shape. I presume you will have a copy of the final memo from the Inspector General of Police shortly. In any case all air raid warnings intended for the Bangalore area will be received by the Bangalore City Control Room through the Civil & Military Station Telephone Exchange from Madras District Headquarters and will be communicated to the Hindustan Aircraft Factory by the City Telephone Exchange as they are received (please vide copy of the standing instructions already issued by the Inspector General of Police).

3. Regarding permits for Motor Vehicles I cannot see how they could can be moving between City and the Aircraft Factory during an alarm if it is stipulated that they shall not proceed when enemy raiders are above or near. Presumably it is not intended that these vehicles shall set off from the factory every time there is a practice alarm. In any case, the permits will have to be signed by the District Magistrate who is the A.R.P. Controller for the Bangalore District. I should prefer to discuss this with you personally.

4. About the evacuation of factory casualties to Hospitals may I suggest your taking up the question direct with the Senior Surgeon with the Government of Mysore and the Residency Surgeon, Civil & Military Station.

5. The fire-fighting equipment belonging to Bangalore City would not be available for use at the Hindustan Aircraft Factory, which I believe is expected to be self-contained in this respect.

6. We have no trained instructors in fire-fighting at present. An officer hasbeen deputed from here to Bombay for this training with the Bombay Fire Brigade. If, later on, arrangements can be made for a course of instruction by the officer so trained I shall inform you

you and ask you to send a representative of your factory to the course. In the meantime it is suggested that full use may be made of the services of Mr.Samuel, the Assistant Superintendent, Watch & Ward at the factory who was for many years in charge of the Bangalore City fire-fighting establishment.

For training in First Aid Work, I suggest you arrange directly with the St. John Ambulance Association, Bangalore. You might address Captain Y.V.Iyya, Secretary, St.John Ambulance Association, Boy Scouts' Headquarters, Fort, Bangalore City.

COPY.

For Inspector General of Police.

1594

INDIAN POSTS AND TELEGRAPHS DEPARTMENT

NOTICE

This form must accompany any inquiry made respecting this Telegram.

Charges to pay. Rs. As.

Office Stamp

Handed in at (Office of Origin)	Date.	Hour.	Minute.	Service Instructions.	Words.

Recd. here at H. M.

B Class Prefix] Code

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

Office Stamp

Recd. at H. M.

From

By

Sent at H. M.

To

By

Office of Origin.	Date.	Service Instructions.	Words.
Hindustan aircraft 16			37

TO

Chief Secretary Government
of Mysore Bangalore
= Reference 2271/41 April
first stop Experimenting
Airplane Engine Running
satisfactorily Time limited
Medical to protect metal

N. B.—The name of the Sender, if telegraphed, should be written after, but separated from the text.

Eden Press, Calcutta—No. 150 (5164/B-98)—17-7-41—70,000 Bks.

Appendix F G—1]

SUBJECT.....

.....

.....

Section War

File No. 25H-40

Serial No. 9

Diary No. of letter replied to.....

No. 2550/W

To The I G of Police

General and Revenue Secretariat

( )

the *19*

Order under Rule 51(c) of the Defence of India Rules served on the Hindustan Aircraft Factory

Date of issue 17.4.42

Sir,

Signed by Mr. S.K.V. Iyer.

In continuation of this office letter no 2301/W dt 4th April 42 on the above subject, I am directed to enclose herein for your information a copy of telegram from the Hindustan Aircraft Ltd requiring the assistance of this Govt for obtaining durable wire netting and to request you kindly to address Mr. Gordon Pearce in the matter as the Govt have assumed responsibility for ARP

List of enclosures.....

Copied by .....

Examined by.....

measures in the Factory.

A copy of letter addressed may be sent for the information of Govt.

I have the

honour to be

Sir

Your most obedient servant

Chief Secretary to Govt.

17th April 1942.

No. 2550/W
Encs 2

The Inspector-General of Police in Mysore.

Order under Rule 51C of the Defence of India Rules served on the Hindustan Aircraft Factory.

In continuation of this office letter No.2301/W dated the 4th April 1942 on the above subject, I am directed to enclose herein for your information a copy of telegram from the Hindustan Aircraft Ltd., requiring the assistance of this Government for obtaining suitable wire netting and to request you kindly to address Mr. Gordon Peace in the matter, as the Government of India have assumed responsibility for A.R.P. measures in the Factory.

A copy of letter addressed may be sent for the information of Government.

A copy of the letter addressed to the Residency in the matter is enclosed for your information.

I have the honour to be,

Sir,

Your most obedient servant,

For Chief Secretary to Government.

17th April 1942.

Pol. 1422
W 25P-40-10.

The Secretary to the Hon'ble the Resident in Mysore.

I am directed to state that at the instance of Mr. Gordon Peace, Chief Adviser to the Govt. of India for A.R.P. in Factories, an Order under Rule 51C of the Defence of India Rules as applied to Mysore was served on the Hindustan Aircraft Factory (copy enclosed) requiring them to carry out certain measures necessary to secure the due functioning of the factory and the safety of persons and property therein and in the vicinity thereof in the event of hostile attack, and the General Manager was also informed that it was understood that arrangements were being made to provide first priority in connection with the supplies of materials necessary for carrying out the structural precautions prescribed in the Order, and that should any difficulty be experienced in obtaining the essential supplies of materials, he may inform me immediately by telegram giving full particulars of his difficulty.

The Aircraft Factory has accordingly sent a telegram (copy enclosed) stating that they are experiencing difficulty in obtaining suitable wire netting needed to protect vital workshop areas from splinters and that they would greatly appreciate our assistance in obtaining these immediately. A copy of this telegram has been sent to the Inspector-General of Police in Mysore for taking necessary action in consultation with Mr. Gordon Peace.

As the Government of India have assumed responsibility for A.R.P. measures in the Factory, I am to request you to be so good as to move them to obtain at a very early date, the requirements of the Factory as set forth in the telegram.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

CONFIDENTIAL.

The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

No. F.3(18A)-42/W.

1627/18.

FROM

THE SECRETARY TO THE HON'BLE THE RESIDENT IN MYSORE.

To

The Chief Secretary to the Government of
His Highness the Maharaja of Mysore, Bangalore.

Dated Bangalore, the 18th April *1942*.

A.R.P. - Hindustan Aircraft Factory.

SIR,

I am directed to refer to my letter No.F.78(4)-40/W, dated the 28th August 1941.

2. The Chief Adviser, Factory Air Raid Precautions has sent the Hon'ble the Resident a copy of the notes prepared by Brigadier Broke-Smith on his recent visit to the Hindustan Aircraft Factory, Bangalore. It is enclosed herewith. He recommends that prompt action may be taken on the basis of the report read in conjunction with the draft of an Order under rule 51C of the Defence of India Rules which he forwarded on 10th March 1942 to the Inspector General of Police in Mysore, who, he understands, has passed it on to you. The Chief Adviser, Factory Air Raid Precautions also requests that the actual position in regard to trailer pumps and weld mesh may kindly be reported to him urgently. He also suggests, with reference to the letter from Captain Wood dated the 17th March 1942, that the visit of a structural Engineer from the Government of India, Department of Labour should not be awaited before proceeding with the work.

3. I am to request that, if there is no objection, necessary action in the matter may kindly be taken urgently, in consultation with the Inspector General of Police in Mysore.

I have the honour to be,
Sir,
Your most obedient servant,

for SECRETARY TO THE RESIDENT.

HINDUSTAN AIRCRAFT BANGALORE.

Visited By Brigadier Broke-Smith and Mr. Llewellyn Smith -25-3-42.

Met Air Marshal Sir John Higgins, Goverment representative on the Board of Directors and Mr. Reynolds, A.R.P. Officer; also (In Bangalore) Mr. Peel, I.G.P. Mysore.

1. Directions to carry out measures on the lines advised by C.A. Factory A.R.P. to the Government of Mysore (in his letter of 19-3-1942 addressed to the I.G.P. Mysore) had not been received by the factory. It was subsequently ascertained from the I.G.P. that the letter had just been received and that appropriate action would be taken on it.

2. The A.R.P. Officer was appointed recently to deal whole time with the factory's A.R.P. The development of the organisation and the training of A.R.P. services is proceeding, equipment has been ordered and some obtained, and trench shelters and some lateral protection have been provided, but an appreciable amount remains to be done.

3. An abstract of the scheme prepared by C.A. Factory A.R.P. was gone through with Sir John Higgins and Mr. Reynolds, the latter of whom took notes of the principal items.

4. With the appointment of the A.R.P. Officer and the receipt of details of the scheme, and in the light also of the further inspection now made, it is expected that the A.R.P. measures generally at this factory will be systematically developed and carried out, in accordance with the Summary of A.R.P. applied to Factories.

5. Particular difficulty in regard to the provision of protective walls to sectionalize shops or to baffle entrances, owing to the lay out of the work and the plant generally, the lack of interruption essential to the process of mass production aeroplane assembly, and the space necessary for the movement of aircraft and air frames whether under construction or under repair. Suggestions as to the extent to which some provision of protective walling could be effected without interfering with production were made to the A.R.P. Officer when going round the shops.

Internal...

18

Internal dividing walls along the rows of stanchions, between the three bays of the main assembly shop, with appropriate openings for essential intercommunication are included in this. Some lengths already exist and these could be raised to the underside of the lowest corss beams and out free from the stanchions

6. In addition to the regular system of receipt of air raid warnings by telephone through Bangalore, thin factory has the advantage of the R.A.F. radio and observation system, by means of which all movements of aircraft within a radius of 30 miles are immediately reported.

7. The Control Post was to be located 1/2 mile or so from the factory. It was advised that the Control Post should be in the factory, close to the administrative offices, so as to be easy of access to the Controller and his staff. An underground "bomb proof" shelter has already been built not far from the offices, for the use of the factory workmen, and it was recommended that the use of this as the Control Post should be considered, the necessary satellite telephone exchange etc., to be installed and lighting provided.

8. Trench shelters have been provided outside the factory. They are too far away, not being within from 1 minute to 3½ minutes as a maximum from places of work after the receipt of the warning. They are not laid out in broad zig-zags, the lines of trenches never less than 25' apart, also they are wider than 2½'. It was advised that the standards included in the Summary of A.R.P. [illegible] Applied to Factory and Schedule of the draft Order must be complied with.

9. Sector wardens, fire watchers, etc. must be accommodated in posts constructed to full blast and splinter proof standards, lateral and overhead.

10. The provision of say two protected roof fire watchers posts, from which the fall of bombs during a raid can be observed and reported, is desirable.

11. Access to roofs should be provided by means of ladders and cat walks.

12. 1 250-500 g.p.m. trailer pump is available. 5 more have been demanded.

17

Without checking the number required on the basic of the formula in the Summary of Factory A.R.P., it is considered that, having regard to the importance of the factory and the fire risks, a minimum of 4 trailer pumps in all is urgently necessary, i.e. not less than 3 more than the one existing.

13. 10,000 gallon static water tanks should be provided to bring the total capacity conveniently available for fire fighting up to not less than the rough total arrived at by the formula in the Summary of A.R.P. Applied to Factories and Schedules of the draft Order. The trailer pumps should be dispersed and located, adjacent to static water tanks, in the vicinity of the highest fire risks. This should be accommodated in full blast and splinter proof standard trailer pump houses, with baffled entrances. They must include room for the trailer pump crews.

14. Stirrup pump parties should be located, in fully protected posts, inside buildings whose contents are of high fire risk, where practicable.

15. First aid fire fighting equipment (stirrup pumps,buckets of water, semi-sand bags, etc.) should be fully provided and distributed throughout the factory as indicated in the Summary of A.R.P. Applied to Factories and Schedules of the draft Order.

16. As abbestos roofing is liable to be extensively shattered by bomb explosions in the vicinity, to avoid damage to air frames etc., from large pieces of the roof covering falling on them, a lining of 2½" sisal netting or its equivalent should be fitted immediately under the asbestos cement roofing over all shops concerned.

17. Protection against blast and splinters should particularly be provided to the motors about the shops, transformers, etc. It was stated that an indent has been sent for a quantity of weld mesh for overhead protection of vital electrical plant etc.

18. Methods of obscuration are being considered. This should be completed as urgently as possible.

19. Jigs are specially important and they should be safeguarded as much as possible against air raid damage. Jigs which are not in use, should preferably be dispersed when stored.

10

20. Strengthening of structural steel work should be carried out where required in the light of the principles set out in the Summary of A.R.P. Applied to Factories.

MLB.9.4.

SECRET. Pol 1982d 20 4/42

W254-40-12

To

The Secy. to the Resident.

A.R.P. - Hindustan Aircraft Ltd.

Sir,

With reference to your letter No.F.3(18A)-42/W dated the 18th April 1942 on the above subject, I am directed to invite reference to this office letter No.Pol.1422 dated the 17th April 1942 in the matter. I am to add that a copy of the notes of Brigadier Broke-smith received with your letter under reply has been sent to the I.G.P. for being communicated to the factory for necessary action.

I have etc.,

19/4

Chief Secy. to Govt.

Memo. No. 2596/W Dnes 3.

Copy to I.G.P. with a copy of Residency letter and enclosure, in ~~xxxxxxxxxxxx~~ continuation of this office letter No.2550 dated the 17th Apr. 1942 for necessary actic

SECRET.

20th April 1942.

Lr 1982

The Secretary to the Hon'ble the Resident in Mysore.

A.R.P. - Hindustan Aircraft Factory.

With reference to your letter No.F.3(18A)-42/W dated the 18th April 1942 on the above subject, I am directed to invite reference to this office letter No.Pol.1422 dated the 17th April 1942 in the matter. I am to add that a copy of the notes of Brigadier Broke-Smith received with your letter under reply has been sent to the Inspector-General of Police in Mysore for being communicated to the factory for necessary action.

I have the honour to be,
Sir,
Your most obedient servant,

(Sd.) M.G. Mehkri.
~~xxxx~~ For Chief Secretary to Government.

Memo No. 2596/W Dated the 20th April 1942.
Copy forwarded to the above is forwarded with compliments to the Inspector-General of Police in Mysore, with a copy of Residency letter and enclosure, in continuation of this office letter No.2550 dated the 17th April 1942, for necessary action.

For Chief Secretary to Govt.

CONFIDENTIAL.

Letter No.F.3(18A)-42/W dated the 18th April 1942 from the Secretary to the Hon'ble the Resident in Mysore.

- - - - -

A.R.P. - Hindustan Aircraft Factory.

I am directed to refer to my letter No.F.78(4)-40/W dated the 28th August 1941.

2. The Chief Adviser, Factory Air Raid Precautions has sent the Hon'ble the Resident a copy of the notes prepared by Brigadier Broke-Smith on his recent visit to the Hindustan Aircraft Factory, Bangalore. It is enclosed herewith. He recommends that prompt action may be taken on the basis of the report read in conjunction with the draft of an Order under rule 51C of the Defence of India Rules which he forwarded on 19th March 1942 to the Inspector General of Police in Mysore, who, he understands, has passed it on to you. The Chief Adviser, Factory Air Raid Precautions also requests that the actual position in regard to trailer pumps and weld mesh may kindly be reported to him urgently. He also suggests, with reference to the letter from Captain Wood dated the 17th March 1942, that the visit of a structural Engineer from the Govt. of India, Dept. of Labour should not be awaited before proceeding with the work.

3. I am to request that, if there is no objection, necessary action in the matter may kindly be taken urgently, in consultation with the Inspector-General of Police in Mysore.

HINDUSTAN AIRCRAFT BANGALORE.

Visited by Brigadier Broke-Smith and Mr. Llewellyan Smith - 25-3-42

- - - -

Met Air Marshal Sir John Higgins, Govt. representative on the Board of Directors and Mr. Reynolds, A.R.P. Officer; also (in Bangalore) Mr. Peel, I.G.P., Mysore.

- - - -

1. Directions to carry out measures on the lines advised by C.A. Factory A.R.P. to the Govt. of Mysore (in his letter of 19-3-42 addressed to the I.G.P. Mysore) had not been received by the factory. It was subsequently ascertained from the I.G.P. that the letter had just been received and that appropriate action would be taken on it.

2. The A.R.P. Officer was appointed recently to deal whole time with the factory's A.R.P. The development of the organisation and the training of A.R.P. services is proceeding, equipment has been ordered and some obtained, and trench shelters and some lateral protection have been provided, but an appreciable amount remains to be done.

3. An abstract of the scheme prepared by C.A. Factory A.R.P. was gone through with Sir John Higgins and Mr. Reynolds, the latter of whom took notes of the principalitems.

4. With the appointment of the A.R.P. Officer and the receipt of details of the scheme, and in the light also of the further inspection

now made, it is expected that the A.R.P. measures generally at this factory will be systematically developed and carried out, in accordance with the Summary of A.R.P. applied to Factories.

5. Particular difficulty in regard to the provision of protective walls to sectionalize shops or to baffle entrances, owing to the lay out of the work and the plant generally, the lack of interruption essential to the process of mass production aeroplane assembly, and the space necessary for the movement of aircraft and air frames whether under construction or under repair. Suggestions as to the extent to which some provision of protective walling could be effected without interfering with production were made to the A.R.P. Officer when going round the shops.

Internal dividing walls along the rows of stanchions, between the three bays of the main assembly shop, with appropriate openings for essential intercommunication are included in this. Some lengths already exist and these could be raised to the underside of the lowest ~~corse~~ beams and out free from the stanchions.

6. In addition to the regular system of receipt of air raid warnings by telephone through Bangalore, this factory has the advantage of the R.A.F. radio and observation system, by means of which all movements of aircraft within a radius of 30 miles are immediately reported.

7. The Control Post was to be located 1/2 mile or so from the factory. It was advised that the Control Post should be in the factory, close to the administrative offices, so as to be easy of access to the Controller and his staff. An underground "bomb proof" shelter has already been built not far from the offices, for the use of the factory workmen, and it was recommended that the use of this as the Control Post should be considered, the necessary satellite telephone exchange etc., to be installed and lighting provided.

8. Trench shelters have been provided outside the factory. They are too far away, not being within from 1 minute to 3½ minutes as a maximum from places of work after the receipt of the warning. They are not laid out in broad zig-zags, the lines of trenches never less than 25' apart, also they are wider than 2½'. It was advised that the standards included in the Summary of A.R.P. Applied to Factory and Schedule of the draft Order must be complied with.

9. Sector wardens, fire watchers, etc. must be accommodated in posts constructed to full blast and splinter proof standards, lateral and overhead.

10. The provision of say two protected roof fire watchers posts, from which the fall of bombs during a raid can be observed and reported, is desirable.

11. Access to roofs should be provided by means of ladders and cat walks

12. 1 250-500 g.p.m. trailer pump is available. 5 more have been demanded.

Without checking the number required on the basis of the formula in

in the Summary of Factory A.R.P., it is considered that, having regard to the importance of the factory and the fire risks, a minimum of 4 trailer pumps in all is urgently necessary, i.e., not less than 3 more than the one existing.

13. 10,000 gallon static water tanks should be provided to bring the total capacity conveniently available for fire fighting up to not less than the rough total arrived at by the formula in the Summary of A.R.P. applied to Factories and Schedules of the draft Order. The trailer pumps should be dispersed and located, adjacent to static water tanks, in the vicinity of the highest fire risks. This should be accommodated in full blast and splinter proof standard trailer pump houses, with baffled entrances. They must include room for the trailer pump crews.

14. Stirrup pump parties should be located, in fully protected posts, inside buildings whose contents are of high fire risk, where practicable.

15. First aid fire fighting equipment (stirrup pumps, buckets of water, semi-sand bags, etc.) should be fully provided and distributed throughout the factory as indicated in the Summary of A.R.P. Applied to Factories and Schedules of the draft Order.

16. As asbestos roofing is liable to be extensively shattered by bomb explosions in the vicinity, to avoid damage to air frames etc., from large pieces of the roof covering falling on them, a lining of 2½" sisal netting or its equivalent should be fitted immediately under the asbestos cement roofing over all shops concerned.

17. Protection against blast and splinters should particularly be provided to the motors about the shops, transformers, etc. It was stated that an indent has been sent for a quantity of weld mesh for overhead protection of vital electrical plant etc.

18. Methods of obscuration are being considered. This should be completed as urgently as possible.

19. Jigs are specially important and they should be safeguarded as much as possible against air raid damage. Jigs which are not in use should preferably be dispersed when stored.

20. Strengthening of structural steel work should be carried out where required in the light of the principles set out in the Summary of A.R.P. applied to factories.

Sly: "Copy"

VERY URGENT. W 257-40-13.

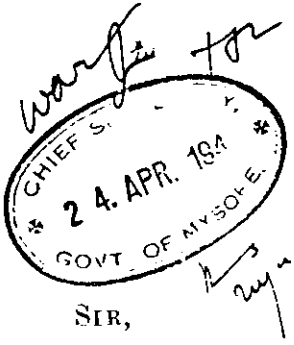
The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

No. F.3(18A)-42/W. 1719/W.

FROM

THE SECRETARY
TO THE HON'BLE THE RESIDENT IN MYSORE.

To The Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.



Dated Bangalore, the 24th April *1942.*

A.R.P. - Hindustan Aircraft Factory.

SIR,

I am directed to refer to your letter No.Pol.1976/War, dated the 17th April 1942, and to state that the Chief Adviser, Factory Air Raid Precautions has telegraphed that the Hindustan Aircraft Factory may be instructed to advise him of their requirements. I am to request that the Factory may kindly be informed accordingly.

I have the honour to be,
Sir,
Your most obedient servant,

for SECRETARY TO THE RESIDENT.

ksln.

IMMEDIATE.

2665/W
W254-40-14.

25th April 1942.

The Inspector-General of Police in Mysore.

A.R.P. - Hindustan Aircraft Factory.

In continuation of this office letter No.2550/W dated the 17th April 1942 forwarding a copy of the telegram from the Hindustan Aircraft Factory regarding their requirements, I am directed to state that the Residency have written to say that the Chief Adviser, Factory A.R.P has telegraphed that the Hindustan Aircraft Factory may be instructed to advise him of their requirements, and have requested that the Factory may be informed accordingly. I am to request you kindly to communicate the same to the Factory.

for Secretary

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

Sec

Camp, Mysore,
April 25, 1944

Dear Sir,

Please refer to your D. O. letter dated the 28th March 1944 to Mr. Patel about the Hindustan Aircraft Factory at Bangalore.

An order under Rule 81-C of the Defence of India Rules was served on Mr. McCarty, the General Manager of the Hindustan Aircraft Factory, on ... calling upon him to undertake immediately the A.R.P. measures prescribed. Mr. McCarty now finds it very difficult in getting the wire-netting required for protecting the vital parts of the machinery.

I am sending herewith a copy of the telegram addressed by him (Mr. McCarty) to the Chief Secretary to the Government of Mysore. I am also sending enclosed a copy of the letter addressed by the Government of Mysore to the Hon'ble the Resident in Mysore in the same connection.

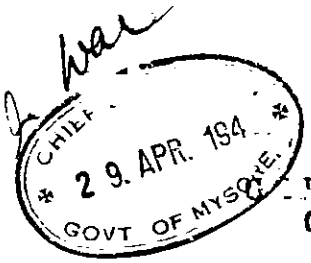
W25M-140-15

1768/W

As the Government of India have assumed responsibility for A.R.P. measures in the Factory, I would request the favour of sending them to secure sufficient quantity of fire-fighting for this Factory.

Yours sincerely,

Sd.- M. Seshadri



The Hon'ble Colonel H. P. Eccles, D.S.O., M.C.,
Chief A.R.P. Adviser (Factory),
to the Govt. of India, New Delhi.

A.R.P.(F)-12

Copy with copies of enclosures forwarded, with compliments, to the Chief Secretary to the Govt. of Mysore, for information.

Inspector-General of Police
in Mysore.

Mrs

Telegram dated the 16th April 1942 from the Hindustan Aircraft Factory, to the Chief Secretary to the Government of Mysore.

Re. letter 2271/W April 1st stop Experiencing difficulty obtaining suitable fire netting needed to protect vital workshop areas from splinters stop Would greatly appreciate your assistance obtaining these immediately.

AIRCRAFT.

"Copy"

J M Fenhadess

Inspector-General of Police
in Mysore.

Letter No. Mil dated 17th April 1942 from the Chief Secy. to the Govt. of Mysore, to the Secretary to the Hon'ble the Resident in Mysore.

I am directed to state that at the instance of Mr. Gordon Peace, Chief Adviser to the Govt. of India for A.R.P. in Factories, an Order under Rule 5-C of the Defence of India Rules as applied to Mysore was served on the Hindustan Aircraft Factory (copy enclosed), requiring them to carry out certain measures necessary to secure the due functioning of the factory and the safety of persons and property therein and in the vicinity thereof in the event of hostile attack, and the General Manager was also informed that it was understood that arrangements were being made to provide first priority in connection with the supplies of materials necessary for carrying out the structural precautions prescribed in the Order, and that should any difficulty be experienced in obtaining the essential supplies of materials, he may inform me immediately by ~~express~~ telegram giving full particulars of his difficulty.

The Aircraft Factory has accordingly sent a telegram (copy enclosed) stating that they are experiencing difficulty in obtaining suitable wire netting needed to protect vital workshop areas from splinters and that they would greatly appreciate our assistance in obtaining these immediately. A copy of this telegram has been sent to the Inspector-General of Police in Mysore for taking necessary action in consultation with Mr. Gordon Peace.

As the Government of India have assumed responsibility for A.R.P. measures in the Factory, I am to request you to be so good as to move them to obtain at a very early date, the requirements of the Factory as set forth in the telegram.

"Copy"

Inspector General of Police in Mysore.

W 254-40-16. 1890/W

Telegram : "POLICE."
Telephone : 2108.

POLICE DEPARTMENT.

OFFICE OF THE
INSPECTOR-GENERAL OF POLICE IN MYSORE,

No. A.R.P. 4 /41-42.
Encl.

Bangalore, dated.....2nd May,.....*1942*.

FROM

The Inspector-General of Police in Mysore,
Bangalore.

TO

The Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.

SIR,

In enclosing in original the letter No. nil dated 25th April 1942, from the A.R.P. Officer, Hindustan Aircraft Ltd., I have the honour to suggest that the Government of India (Labour Department) may kindly be addressed in the matter.

I have the honour to be,
Sir,
Your most obedient servant,

M Venkadesu

KVN.

INSPECTOR GENERAL OF POLICE.

Copy of letter dated the 25th April 1942 from the A.R.P.Officer, Hindustan Aircraft Ltd., to the Camouflage Officer to Govt.

- - -

The Govt. of India have advised that they consider the camouflage of this factory to be of greatest importance. No camouflaging is to be undertaken excepting under the supervision of the Regional Officer.

Col. Lemmon has visited the factory, but as yet no recommendations have been received from him.

Would you kindly address this communication to the Provincial Regional Camouflage Officer, so that immediate steps may be taken toward camouflaging.

Appendix F G—1]

SUBJECT.....

.....

.....

Diary No. of letter replied to.....

General and Revenue Secretariat

( )

the *19* .

Date of issue 11th May 1941

Signed by ... Thai S. K. V.

List of enclosures.....

Copied by .....

Examined by.....

Section War

File No. 254-40

Serial No. 14

Immediate

No. Pol 2 1146/41

To The Secy to the Govt of India Reforms Dept

Sir,

I am directed to enclose herein for information a copy in original a copy the letter from the A.R.P. Officer Hindustan Aircraft Ltd and to request you to be so good as to address the Govt of India in the matter of taking of the Indian authorities as to the necessary ~~air raid~~ Air Raid Steps that have to be taken for ~~the~~ ~~towns~~ connected with ~~the~~ ~~aerodrome~~ ~~factories~~ the factory mentioned

I have the honour to be

Sir

Your most obedient servant

for Chief Secretary to Govt

WD 03695—GPB—30,000—29-1-40

IMMEDIATE.

11th May 1942.

?s(2)1142(1

The Secretary to the Hon'ble the Resident in Mysore.

I am directed to enclose herein in original the letter dated the 25th April 1942 from the A.R.P.Officer, Hindustan Aircraft Ltd., and to request you to be so good as to address the Government of India in the matter of taking necessary steps for camouflaging the factory immediately.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

To

The I.G.of Police.

Sir,

A.R.P. for the Hindustan Aircraft.

With reference to your letter No.C.C.4 dated the 2nd May 1942 regarding camouflaging of the Hindustan Aircraft Factory, I am directed to enclose for your information a copy of the letter addressed this day to the Residency in the matter.

In this connection, I am to request that, as the Govt. of India have assumed responsibility for all A.R.P. measures in the Factory, the General Manager, Hindustan Aircraft Factory may be informed that he may correspond direct with the Govt. of India Officers on all matters connected with A.R.P. ~~and other~~ measures for the Factory.

I have etc.,

for Chief Secy. to Govt.

2872/W. Sec'l. -

W25M-40-18

11th May 1942.

The Inspector-General of Police in Mysore.

A.R.P. for the Hindustan Aircraft.

- - -

With reference to your letter No.C.C.4 dated the 2nd May 1942 regarding camouflaging of the Hindustan Aircraft Factory, I am directed to enclose for your information a copy of the letter addressed this day to the Residency in the matter.

In this connection, I am to request that, as the Government of India have assumed responsibility for all A.R.P. measures in the Factory, the General Manager, Hindustan Aircraft Factory, may be informed that he may correspond direct with the Govt. of India Officers on all matters connected with A.R.P. measures for the Factory.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

W 259-40-19.

1900/W.

TELEGRAMS
"AIRCRAFT"

HINDUSTAN AIRCRAFT LTD

TELEPHONE:
2599

BANGALORE INDIA

May 5, 1942

Gulam Mohiyuddin Mehkri, Esq.
Chief Secretary to the Government
Of H.H. the Maharaja of Mysore

Copies to: Gov't of India, Sir John Higgins, Mr. L. C. McCarty
Mr. E. Fenimore

Dear Sir:-

In reply to your order to the General Manager of Hindustan Aircraft, Ltd., dated April 1st, 1942, reference No. 2270/W, I wish to state:

1. Trailer Pumps, Stirrup Pumps, steel helmets and incendiary practice bombs were ordered prior to receiving your order. Fifty-five Stirrup Pumps and one hundred thirty-five steel helmets, representing a part of our order, have been received.

2. (Schedule 1. of your order). Items one, two, three, five and six are accomplished. Item four, Static Tanks, are under construction and will be completed by the 20th of May.

3. (Schedule 2. of your order). Item one, sectionalization of all shops, has been done as far as the Factory Management considers possible without interferring with production. Item two is completed. Item three, blast and splinter proof walls around the gas plant, is under construction and will be completed within the time specified. Item four, survey and conclusions reached by the Factory Management are that the existing Factory structures meet the requirements of Chapter 2,3,4,5, & 6 of "A Summary of A.R.P. as Applied to Factories".

4. (Schedule 3. of your order). This has been accomplished. All glass has been removed and boards treated with fireproof paint have been substituted.

Very truly yours,
HINDUSTAN AIRCRAFT, LTD.

R. M. Reynolds
A.R.P. Officer

pmr

W257-40-20.

Letter dated the 5th May 1942 from the A.R.P. Officer, the Hindustan Aircraft Factory, to the Chief Secy. to Govt.

- - -

Copies to Govt. of India, Sir John Higgins, Mr.L.C. McCarty and Mr.E.Fenimore.

- - -

In reply to your order to the General Manager of Hindustan Aircraft, Ltd., dated April 1st, 1942, reference No.2270/7 I wish to state

1. Trailer Pumps, Stirrup Pumps, steel helmets and incendiary practice bombs were ordered prior to receiving your order. Fifty-five Stirrup Pumps and one hundred thirty-five steel helmets, representing a part of our order, have been received.

2. (Schedule 1. of your order). Items one, two, three, five and six are accomplished. Item four, Static Tanks, are under construction and wi l be completed by the 20th of May.

3. (Schedule 2. of your order). Item one, sectionalisation of all shops, has been done as far as the Factory Management considers possible without interfering with production. Item two is completed. Item three, blast and splinter proof walls around the gas plant, is under construction and will be completed within the time specified. Item four, survey and conclusions reached by the Factory Management are that the existing Factory structures meet the requirements of Chapter 2, 3, 4, 5 & 6 of "A Summary of A.R.P. as Applied to Factories."

4. (Schedule 3. of your order). This has been accomplished. All glass has been removed and boards treated with fire proof paint have been substituted.

GENERAL AND REVENUE SECRETARIAT.

Memo No. 2880/W. Dated, Bangalore, the 11th May 1942.

Copy of the above is forwarded with compliments to the Inspector-General of Police in Mysore, for information.

For Chief Secretary to Government.

W 25 F-40-21 103/W.

The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

No. F.3(18A)-42/W.

FROM

THE SECRETARY

TO THE HON'BLE THE RESIDENT IN MYSORE.

CHIEF SECRETARIAT
7 JUL 1942
GOVT. OF MYSORE

To

The Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.

Dated Bangalore, the 7th July *1942.*

CAMOUFLAGE.

War 1870

SIR,

I am directed to refer to your letter No. Pol.2114, dated the 11th May 1942.

The Government of India state that Mr. L.A.McClure of the Indian Engineers has been appointed for Camouflage work on the Hindustan Aircraft Factory. He is at present undergoing a special course on Aerodrome Camouflage and is expected to reach Bangalore about the 10th July 1942.

I have the honour to be,

Sir,

Your most obedient servant,

for SECRETARY TO THE RESIDENT.

ksv.

No. 1777/W.
W254-40-22

10th July 1942.

The Inspector-General of Police in Mysore.

A.R.P. for the Hindustan Aircraft.

I am directed to refer to this office letter No.2872 dated the 11th May 1942 on the above subject, and to state that the Residency have replied that the Government of India state that Mr. L.A. McClure of the Indian Engineers has been appointed for Camouflage work on the Hindustan Aircraft Factory and that he is at present undergoing a special course on Aerodrome Camouflage and is expected to reach Bangalore about the 10th July 1942.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.